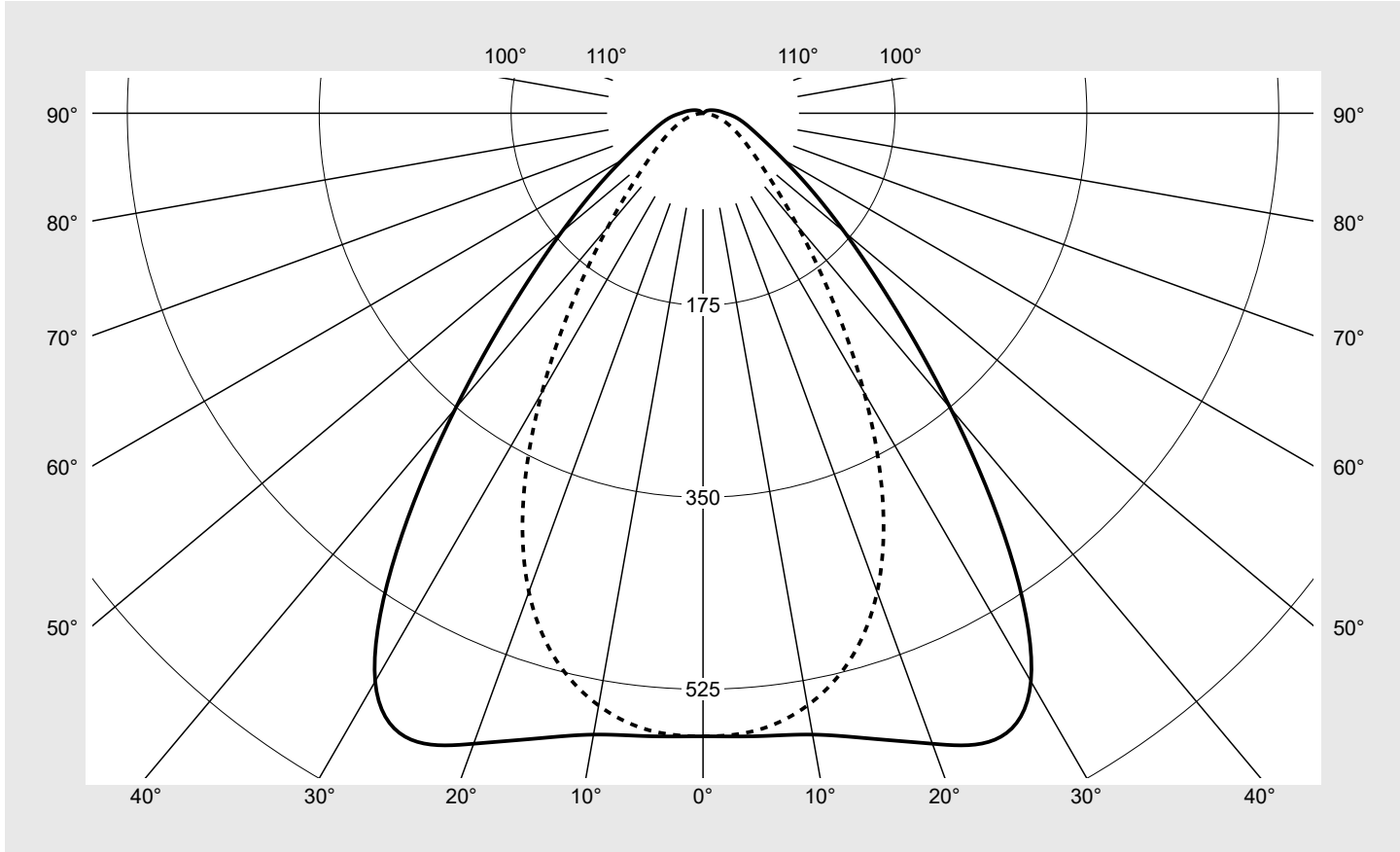


# Photometric test report

<b>Family</b> <b>Licross® 11 Protected</b>	<b>Order number: 51TP12MN4F5M</b> <b>EAN: 4058352930304</b>	<b>LP number</b> <b>58523_222</b>
	<b>Version</b> prismatic cover, frosted, wide distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG Multilumen <b>Rated values</b> Net luminous flux = 15820 lm Power consumption = 87.4 W Luminous efficacy = 181 lm/W	<b>serial documentation</b> <b>11.10.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 630 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=70 N2=91 N3=97 N4=98 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	98.3%
$\phi_o$	1.7%

Measurement conditions
DIN EN 13032 and DIN 5032

## Photometric test report

Family <b>Licross® 11 Protected</b>	Order number: <b>51TP12MN4F5M</b> EAN: <b>4058352930304</b>	LP number <b>58523_222</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

C-planes $\gamma$	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

## Photometric test report

<b>Family</b> Licross® 11 Protected	<b>Order number: 51TP12MN4F5M</b> <b>EAN: 4058352930304</b>	<b>LP number</b> 58523_222
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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	23.6	25.0	23.9	25.3	25.7	19.4	20.9	19.8	21.2	21.5
	3H	24.2	25.4	24.5	25.8	26.1	19.8	21.1	20.2	21.5	21.8
	4H	24.5	25.7	24.9	26.0	26.4	20.0	21.2	20.4	21.6	22.0
	6H	24.9	26.0	25.3	26.3	26.7	20.2	21.3	20.6	21.7	22.1
	8H	25.2	26.1	25.6	26.5	26.9	20.2	21.3	20.7	21.7	22.1
	12H	25.4	26.3	25.9	26.7	27.1	20.3	21.3	20.7	21.7	22.1
4H	2H	23.6	24.8	24.0	25.2	25.6	20.1	21.3	20.5	21.6	22.0
	3H	24.3	25.4	24.8	25.8	26.2	20.6	21.6	21.1	22.0	22.4
	4H	24.8	25.7	25.2	26.1	26.5	20.9	21.8	21.3	22.2	22.6
	6H	25.4	26.1	25.8	26.6	27.0	21.1	21.9	21.6	22.3	22.8
	8H	25.7	26.4	26.2	26.8	27.3	21.2	21.9	21.7	22.4	22.8
	12H	26.1	26.6	26.5	27.1	27.6	21.3	21.9	21.7	22.4	22.9
8H	4H	24.8	25.5	25.3	26.0	26.5	21.2	21.9	21.7	22.3	22.8
	6H	25.5	26.1	26.0	26.5	27.0	21.5	22.1	22.0	22.6	23.1
	8H	25.9	26.4	26.4	26.9	27.4	21.7	22.2	22.2	22.7	23.2
	12H	26.4	26.8	26.9	27.3	27.8	21.8	22.2	22.3	22.7	23.3
12H	4H	24.8	25.4	25.3	25.9	26.4	21.3	21.9	21.8	22.3	22.8
	6H	25.5	26.0	26.0	26.5	27.0	21.7	22.1	22.2	22.6	23.2
	8H	25.9	26.3	26.4	26.8	27.4	21.8	22.3	22.4	22.8	23.3

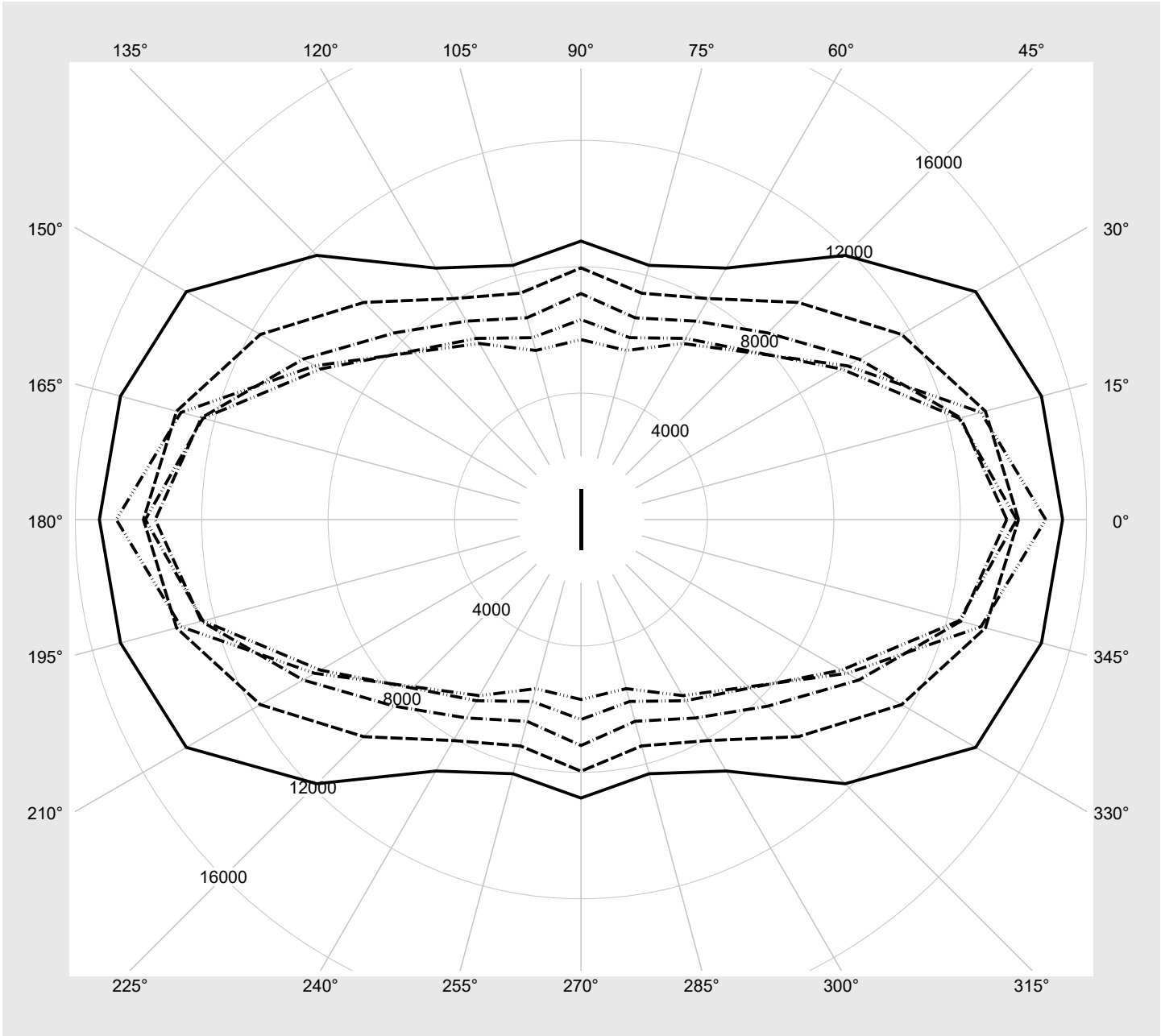
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1480</b>	<b>H(C0) = 13</b>	<b>H(C180) = 13</b>
			<b>B = 78</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		40152.5	41842.8	43548.7	36731.3	25115.3	18691.5	17429.7	
50°		29937.2	31128.6	32551.9	27012.7	18304.4	14143.9	13584.3	
55°		22942.0	23669.5	24433.2	19915.2	13790.2	11336.4	11354.6	
60°		18098.0	18397.9	18501.0	15050.4	10942.3	9532.9	9883.9	
65°		15237.5	15083.5	14418.7	11821.3	9187.3	8326.1	8811.9	
70°		13843.5	13246.8	11714.3	9716.5	8073.9	7414.2	7963.5	
75°		13471.4	12436.9	10153.2	8351.4	7248.8	6608.8	7150.2	
80°		13784.3	12382.7	9524.1	7540.1	6619.0	5958.3	6327.7	
85°		14702.8	13100.6	9729.3	7484.5	6432.8	5539.4	5693.5	

**Photometric test report**

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**Luminance values in cd/m<sup>2</sup>**     γ 65°    γ 70°    γ 75°    γ 80°    γ 85°     **siteco**



## Photometric test report

Family  
Licross® 11 Protected

Order number: 51TP12MN4F5M  
EAN: 4058352930304

LP number  
58523\_222

### Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	15820	87.4
2	A	C	F	15042	82.6
3	A	D	E	14030	76.2
4	A	D	F	13008	70.1
5	B	C	E	12038	64.3
6	B	C	F	10983	58.3
7	B	D	E	9993	52.6
8	B	D	F	8991	47.0